

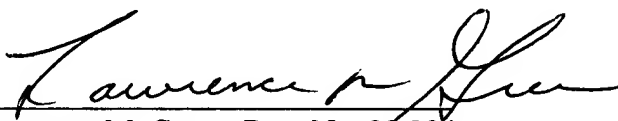
REMARKS

Please enter the foregoing Amendment prior to examination to cancel claim 1, to amend existing claims 2, 3, 4, 9, 10, 11 and 12 to more particularly point out and distinctly claim the invention, and to add new claims 39-60.

It is respectfully submitted that the foregoing Amendment places the application in condition for allowance. The Examiner is invited to telephone Applicant's undersigned attorney should he feel that such a telephone call would further the prosecution of the present application

If there is a fee occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 23/2825.

Respectfully submitted,
Marc Hamel et al., Applicant

By: 
Lawrence M. Green, Reg. No. 29,384
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210-2211
Telephone: (617) 720-3500

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Marked Up Claims

2. (Amended) The liquid dispenser as recited in claim [1] 39 further comprising manually operable apparatus attached to the dispensing head for retaining the [plurality of chambers and the apparatus for drawing and expelling liquid] dispensing head within the housing.

3. (Amended) The liquid dispenser as recited in claim 2, wherein the [attaching] apparatus for retaining the dispensing head comprises:

a plurality of threaded shafts [pivotally] mounted to the [apparatus for drawing and expelling liquid] dispensing head;

a [support] plate disposed within the housing;

cutouts on the [support] plate for receiving [each] the threaded [shaft] shafts; and

a knob threadably mounted on each threaded shaft, said knobs being rotatable about the shaft to be screwed into engagement with said [support] plate for securing said [apparatus for drawing and expelling liquid] dispensing head to the plate.

4. (Amended) The liquid dispenser as recited in claim [1] 39 further comprising:

a plurality of tips, each tip being associated with one of the chambers, each tip having a first end with an enlarged opening, and a second end having a smaller opening than the opening of the first end, the first end of each tip being in [liquid] fluid communication with [the] an opening of an associated chamber; and

a flexible seal extending around each chamber opening and being engaged by the first [end of an associated one] ends of the tips [providing] to provide a substantially air and liquid-tight seal between the first [end] ends of the tips, and the associated [tip] openings [and] of the [opening] chambers.

9. (Amended) The liquid dispenser as recited in claim 7, wherein the clamp is engageable by the apparatus for [drawing and expelling liquid] moving each piston within its associated chamber to move the clamp away from the wall of the housing against the clamping force of the urging apparatus to release the clamping force on the tray.

10. (Amended) The liquid dispenser as recited in claim [1] 39 wherein said apparatus for [drawing and expelling liquid comprises; a plurality of pistons] moving each piston [being movable] within [one of said chambers;] its associated chamber comprises:

a plate coupled to each of said pistons; and

a motor operably coupled to the plate for moving the plate toward and away from the chambers to cause movement of said pistons within the chambers.

11. (Amended) The liquid dispenser as recited in claim 10 further comprising:

a tray containing a plurality of tips, [the tray having extensions,] each tip including a first end having an enlarged opening and a second end having an opening smaller than the opening of the first end;

at least [two] one [brackets] bracket being mounted on the housing and being movable with respect to the housing for clamping the [extensions of the] tray against the housing so that the first end of each tip is in fluid communication with one of said [openings] chambers; and

a connection between the plate and the [brackets] bracket for moving the [brackets] bracket away from the housing in response to movement of the plate to release the [extensions of the] tray.

12. (Amended) The liquid dispenser as recited in claim 11 further comprising a spring for urging the [brackets] at least one bracket against the housing for providing a clamping force on the [extensions of the] tray.